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ABSTRACT

The present invention relates to horizontal, vertical or angularly disposed diaphragms which resist structural forces. Specifically, the present invention relates to an improved mechanical connection between a structural panel and the framing members that support the structural panel forming a diaphragm. The connection includes: a structural panel having a distal side, a proximal side, and a plurality of edge faces; a frame consisting of a plurality of framing members disposed in registration with the proximal side of the structural panel near the edge faces; a plurality of perimeter fasteners connecting the structural panel to the framing members; and clips or perimeter edging members for reducing bending of the perimeter fasteners attached to a substantial number of the perimeter fasteners. The clips or perimeter edging members for reducing bending of the perimeter fasteners act when lateral forces are imposed on the building structure of which the diaphragm is a part.

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